THUNDEROBOT

User Manual

雷神游戏手柄

使用说明书/保修卡/合格证

使用本产品前请仔细阅读指导手册，妥善保存以备参考。
Please read the instructions carefully before using this product and keep it well for reference.

雷神游戏手柄G45 PC版
使用说明书

安全信息

在使用和操作设备前,请阅读并遵守下面的注意事项,以确保设备性能最佳,并避免出现危险或非法情况。

1. 请在温度0C~35℃范围内使用本设备,并在温度-10℃ ~ +40℃范围内存放设备及其配件。当环境温度过高或过低时,可能会引起设备故障。

2. 本设备及其配件可能包含一些小零件,请将设备及其配件放置在儿童接触不到的地方。儿童可能在无意之中损坏本设备及其配件,或吞下小零件导致窒息或其他危险。

3. 请避免设备及其配件雨淋或受潮,否则可能导致火灾或触电危险。

4. 请将设备及其电池远离火源、高温和太阳直射。禁止电池扔入火中,禁止拆解、跌落、挤压或改装电池,禁止异物插入、穿刺电池,禁止将电池浸入水或其它液体中,避免电池遭受外部重击和压力,以免引起电池漏液、过热、起火或爆炸。

5. 请勿自行更换电池,否则可能会损坏电池,导致电池过热、起火和人身伤害。

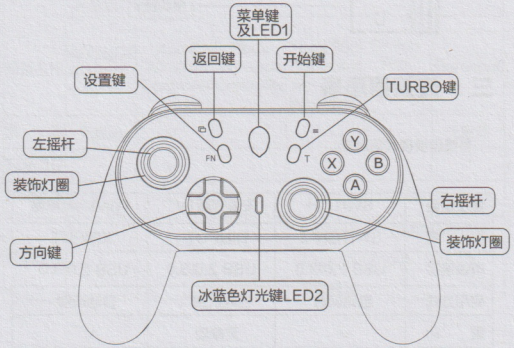
6. 请勿擅自拆卸、改装设备(含更换内置电池)及配件,否则该设备及配件将不在本公司保修范围之内。

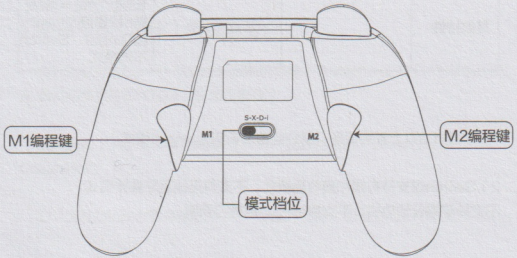
7. 请按当地规定处理本设备、电池及其它附件,不可将它们作为生活垃圾处理。若电池处置不当可能会导致电池爆炸。

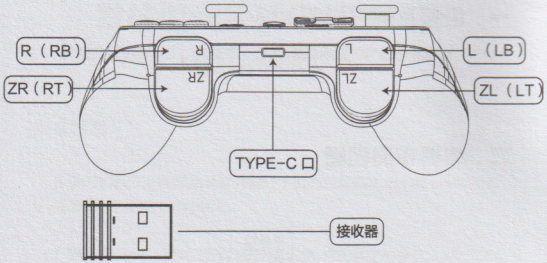
一 . 包装及配件说明

手柄*1、充电数据线*1、说明书/保修卡/合格证*1；Dongle接收器*1

二 . 按键布局视图







三．连接信息表

有线连接模式信息表：

连接设备	SWITCH	安卓智能TV	Windows电脑
模　式	SWITCH*2	DINPUT	XINPUT
有线连接	USB 2.0/3.0	USB 2.0/3.0	USB 2.0/3.0
启用方式	自动识别	自动识别*1	自动识别
震　动	√	无振动	√
TURBO	√	√	√
按键编程	√	√	√
其他特性			长按[⧉]和[≡]组合键5秒切换Xinput和Dinput、Switch不同模式

1）安卓11.0以上系统设备，部分会自动识别为xinput模式；

2）Switch仅支持有线和接收器模式，不支持无线蓝牙连接模式，不支持陀螺仪轴功能；不支持NFC、截图和录制。

无线连接模式信息表：

设　备	安卓设备（HID）	电脑(Windows)	iOS	台式电脑	SWITCH*2	安卓TV
模　式	DINPUT	XINPUT	XINPUT	接收器*3		
平台档位	D	X	i	S		
配对方式	拨动手柄背部模式档位，长按手柄的LOGO键约3秒，冰蓝色灯光快速闪烁，连接成功后冰蓝色灯光常亮					
回　连	短按手柄的LOGO键约1秒，冰蓝色灯光键缓慢闪烁，回接成功后冰蓝色灯光常亮					
设备名称	THUNDEROBOT G45	Xbox Wireless Controller	Xbox Wireless Controller	Xbox 360 Controller for Windows	Switch Pro Controller	Gamepad
震　动	无震动	√		√		无震动
TURBO	√	√		√		√
按键编程	√	√		√		√
其他特性	/	/		长按[⧉]和[≡]组合键5秒切换Xinput和Dinput、Switch不同模式		

四．手柄背面开关档位功能介绍

1.手柄平台（无线）档位说明：

S：2.4G模式 —— Windows系统电脑、Switch、安卓TV（车机系统，安卓/iOS手机平板 OTG、安卓投影仪）。

X：无线 Xinput模式/电脑模式 —— 设备的名称：Xbox Wireless Controller；

D：无线Dinput/安卓模式 —— 设备的名称：THUNDEROBOT G45；

i：iOS模式 —— 设备的名称：Xbox Wireless Controller；

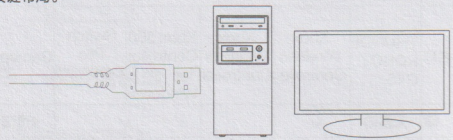
五．手柄连接主机设备方式

1.有线连接Windows系统电脑:

1）手柄通过USB数据线连接到电脑的USB端口，手柄与PC电脑自动连接，当手柄上的冰蓝色指示灯常亮。手柄连接成功，手柄默认支持Xinput模式。

2）PC端模式切换：PC端连接默认为Xinput模式；长按手柄的 ⧉ 键 + ═ 键组合键5秒切换Xinput、Dinput、Switch不同模式。

3）在PC端，手柄的ABYX按键功能默认按手柄丝印字符，即XBOX按键布局。



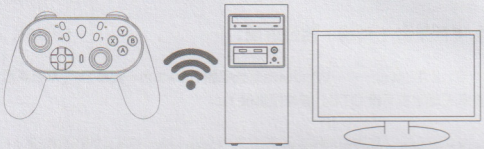
2.手柄无线连接PC设备（win11为例）:

1）在关机情况下，将手柄背面的开关拨到X位 ，然后长按手柄LOGO键3秒左右，直至手柄的冰蓝色灯快速闪烁，进入配对状态。

2）在Windows系统电脑打开设置—蓝牙和其它设备—添加蓝牙设备。

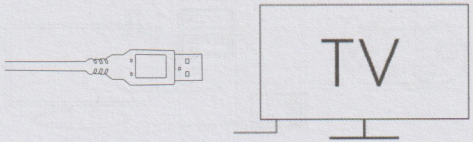
3）在搜索到蓝牙设备中点击“Xbox Wireless Controller”手柄上的冰蓝色灯常亮，则添加蓝牙设备成功；

4）在不使用时，可拔掉接收器或者关闭手柄；手柄拥有蓝牙记忆功能，下次使用时，可通过短按LOGO键1秒唤醒手柄，并自动回连到已配对Windows系统电脑。



3.手柄有线连接安卓TV设备:

1）在手柄关机状态下，手柄通过TYPE-C数据线连接到安卓设备的USB插口，手柄与安卓手柄自动连接，连接成功后，手柄上的冰蓝色灯常亮。支持安卓TV设备的HID标准模式。



4.手柄蓝牙连接安卓设备:

1）在手柄关机状态下，将背部的开关拨到D档 ，长按LOGO键3秒，则直接进入配对模式，手柄上的冰蓝色灯快速闪烁。在安卓设备里面打开蓝牙搜索，搜索到名为“THUNDEROBOT G45”的蓝牙设备时，点击配对，配对成功后，手柄上的冰蓝色灯常亮。手柄进入安卓HID标准模式。该模式下支持模拟器以及支持Dinput协议的游戏，不支持触摸屏游戏操作。（回连时按LOGO键）

5.2.4G接收器连接操作:

支持PC电脑/安卓智能TV/车机系统/iOS/安卓手机平板OTG、安卓投影仪/Switch主机

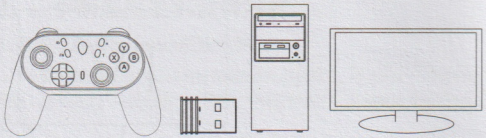
1）先将手柄背面的开关拨到S档 ，再长按手柄的LOGO键约3秒左右，直至手柄的灯光键冰蓝色灯进入快闪配对状态。

2）接着将mini接收器插到PC/安卓TV/Switch设备的USB端口，接收器。

3）将手柄靠近接收器，等待自动连接，连接成功后，接收器灯常亮。手柄的冰蓝色灯常亮。手柄震动一次提示。

4）接收器默认为Xinput输入，支持手柄震动功能。若主机设备系统版本较旧，不支持Xinput模式连接，请同时按下手柄的[⧉]和[═]组合键5秒左右切换到Dinput模式连接接收器。

备注：必须要先将开关拨到S档位，按住控制器的LOGO键约3秒开机，LOGO键冰蓝色灯必须是快速闪烁，才能进入配对模式。

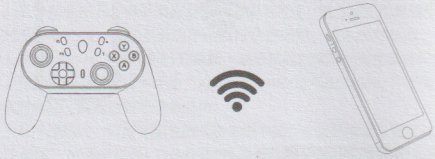


6.手柄蓝牙连接IOS设备:

1）在手柄关机状态下，将背面的开关拨到i档

，长按LOGO键3秒，进入配对状态，配对时手柄上的冰蓝色灯快闪。同时，在IOS设备里面打开蓝牙搜索，搜索到名为“Xbox Wireless Controller”的蓝牙设备时，点击配对，配对成功后，手柄上的冰蓝色灯常亮。手柄进入iOS模式。仅支持MFI游戏操作。（回连按LOGO键）清除配对信息重新配对需要长按LOGO键5秒。

备注：在S X D i 4个不同模式下连接的设备信息独立存储。可直接回连对应模式下的对应设备。



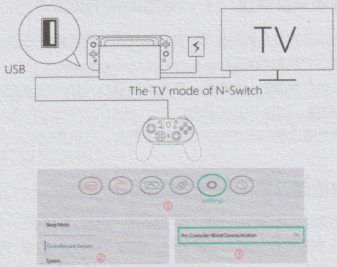
7.有线连接Switch主机:

1）在Switch主机的系统设置里面打开Pro有线手柄的沟通功能。

2）将Switch主机放入底座内固定好，主机底座与显示设备连接好。

3）手柄在关机状态下，通过USB数据线连接到主机底座侧面的USB端口，手柄自动连接到Switch主机，连接成功后，手柄上的冰蓝色灯常亮，即可作为Switch有线手柄使用。

4）连接Switch主机的情况下，ABXY的字符会自动映射为Switch的键值，例如字符B对应Swich操作的A，字符A对应B。X对应Y，以此类推，APP里可以修改ABXY的映射。



六．拓展功能

1.灯光管理:

1）左右摇杆灯光效果调整操作：手柄开启后，无论是否连接设备，摇杆的灯光都默认是梦幻RGB渐变模式。

2）常按灯光键4秒左右，可以关闭或开启摇杆的灯效。FN+灯光键为调整RGB的亮度。可循环切换亮度。

3）摇杆灯光开启状态下，按灯光键+A/B/Y可以在三种灯效模式下切换。连接设备后，Keylinker软件支持定义手柄的单色和呼吸颜色。

4）手柄摇杆灯光有记忆模式，会自动记忆上次关机时设置的灯光模式。重置手柄后，灯光默认回梦幻RGB渐变模式。

5）单色灯常亮模式：按灯光键+B键，开启摇杆的灯光常亮模式。每按灯光键一次，左右摇杆的灯光会依次变换不同单色颜色。

6）灯光单色呼吸模式：按灯光键+A键，左右摇杆的灯效是呼吸模式。每按灯光键一次，可以变换不同颜色呼吸。

7）梦幻RGB渐变模式：按灯光键+X键，左右摇杆的灯光会开启多色RGB渐变效果。

2.手柄电量指示灯说明:

1）LOGO键LED1冰蓝色灯快闪：低电压指示；在连机状态下，当手柄电池电压过低时，LOGO键指示灯快速闪烁；当电池电压低于5%时，手柄自动关机且无法开机。

2）LOGO键呼吸变化：充电指示；手柄无连接或连接情况下，通过USB线给手柄充电，LOGO键的冰蓝灯光缓慢变化。充满电后LOGO键冰蓝指示灯常亮。

3.手柄震动强度调整:（PC电脑主机中有效）

1）震动强弱调节：同时按T键和左摇杆往上打是震动增强；同时按T键和左摇杆往下打是震动减弱。

2）调整时会有震动一次提示。总共4个档位：0档-0%关闭。1档-30%。2档-70%强度。3档-100%震动。

3）此马达震动强弱调节在PC电脑中有效。关机带记忆。

4.连发功能键设定（TURBO）：

1）支持设定TURBO的按键：A、B、X、Y、L、R、ZL、ZR、十字键、M1、M2（当宏按键映射为单键值时，支持 Turbo。当宏按键映射为多键操作时，不支持 Turbo）。有三挡速度可设定-手动连发→自动连发→取消连发。

2）手动TURBO：先按住需要设定的按键，第一次按下T键，该键即启用半自动连发功能；

3）自动TURBO：第二次按下T键+该键，启用全自动连发功能，单按该键可暂停；第三次按下T键+该键，则取消该键的连发功能。

4）TURBO速度调节：有三挡速度可调节-关机带记忆。

1挡：按住T键+右摇杆3D往下打，连发速度减小一档。同时白色灯会闪烁一次,震动一次提示。连发速度为每秒5次；

2挡：连发速度为每秒 10 次。首次连接默认为2挡速度。调整时白色灯会闪烁两次，震动一次提示。

3挡：按住T键+右摇杆3D往上打，连发速度增大一档。同时白色灯会闪烁三次，震动一次提示。连发速度为每秒15次。

5.宏定义编程按键操作设置：

1） 开启功能键录制：手柄工作状态下按FN+M1/M2组合键，例如FN+M1键，则开启M1键的自定义模式，此时手柄的LOGO键灯光快速持续闪烁。

2） 然后依次按下需要设置的功能键，支持14个功能键设置完成后短按M1键，手柄的LOGO键灯光停止闪烁，表示完成设置。（例如：按住FN+M1键，然后松手 并依次按下A、B、X、Y键，设置完成后短按M1键保存并退出，此时按下M1键的功能为A、B、X、Y键依次发出）

3） 清除当前宏定义操作：手柄工作状态下，同时按FN+M1键，手柄震动，LOGO键灯光持续闪烁，然后再按一下M1键，手柄的LOGO键灯光停止闪烁，则清除当前自定义功能。

4） 手柄断电后重新开机，手柄会记住宏编程键的最后一次操作。即保存最后一次的设置。如不需要，请及时清除。
M1/M2单组最多编21个键值。

6.手柄左右摇杆3D组合键操作：

1）经典的左右摇杆3D摇杆设计布局，可全方位操作。

2）Fn+T长按五秒开启左右摇杆0死区模式。

3）T+左摇杆3D下压开关是开启左摇杆和十字键对调功能（Shift）。

4）Fn+左/右摇杆3D下压可在xbox方形和圆形输出轨迹曲线进行切换。

7.恢复出厂设置功能：

1）先按LOGO键开启手柄，再长按手柄L3+R3组合同时按下10秒，冰蓝色慢闪3次恢复出厂设置，震动一次提示。

8.摇杆和扳机校准方式：

1）先按LOGO键开启手柄，要先按手柄的“T”键再按[⊡]号键开始校准，LOGO键灯光慢闪，先缓慢转动左右摇杆打满3圈；然后同时将ZL\ZR扳机按压到底3次后，再按[⊡]号键结束校准，LOGO键灯光变回常亮5秒后手柄关机。

9.组合键表大全：

功能	组合键	说明
一键开启左右摇杆0死区	Fn键+T键长按五秒开启左右摇杆0死区模式	1、左/右摇杆开启0死区模式后，该模式下摇杆会存在轻度漂移，3%以内的偏差为正常现象。 2、再次重复操作可以恢复3%出厂默认死区设置。 3、APP可根据需求设置摇杆死区参数和曲线
左/右摇杆输出轨迹切换	Fn键+左/右摇杆下压三秒可在xbox方形和圆形输出轨迹曲线进行切换	1、摇杆输出轨迹会在纯圆/方形之间切换。推荐射击游戏玩家采用左方右圆的曲线。出厂默认左方右圆。 2、再次重复操作可以恢复上次设置。
左摇杆和十字键切换(Shift)	按下T键+左摇杆3D下压开关是开启左摇杆和十字键对调功能	1、左摇杆会映射十字键的值，十字键会映射左摇杆的非线性值。 2、再次重复操作可以恢复上次设置。
设置按键连发TURBO	按下T键+支持设定TURBO的按键开启/关闭	在手动连发→自动连发→取消连发三种模式下切换。
设置按键连发TURBO速度	按住T键+右摇杆3D往上/下打	连发速度增大/减小一档，会有震动和灯光提醒。
摇杆灯光的开关	长按灯光键五秒开启/关闭摇杆灯光	

摇杆灯光的切换	按下灯光键+B/A/X	灯光模式可在常亮/呼吸/幻彩模式切换，APP支持常亮和呼吸的灯光设定
摇杆灯光的亮度调节	按下FN键+灯光键	可在几档设定亮度中调节，APP支持具体的亮度设置。
宏录制	按下FN+M1/M2，灯光闪烁提醒开始录制，按下需要录制的按键，再按下M1/M2，即可结束录制。	除开组合键外，也可使用APP进行宏录制。不支持摇杆录制操作。
恢复出厂设置	长按L3+R3摇杆下压按键10秒	
摇杆、扳机校准	先按LOGO键开启手柄，要先按手柄的“T”键再按[⊞]号键开始校准，LOGO键灯光慢闪，先缓慢转动左右摇杆打满3圈；然后同时将ZL\ZR扳机按压到底3次后，再按[⊞]号键结束校准，LOGO键灯光变回常亮5秒后手柄关机。	

*按键改键、摇杆&扳机调整、马达震动强度调节、Turbo的设置、宏、灯光以及传感器校准均可通过连接APP Keylinker进行设置。

七 . KeyLinker APP使用说明：

- **下载方式：请扫描下图二维码下载**

1）使用手机浏览器扫描二维码或在应用市场搜索KeyLinker下载安装；

2）KeyLinker在手机上正确安装后，首次启动时会弹出相关权限申请，需要根据提示进行确认。

3）在安卓/iOS模式下连接手机蓝牙设备后，发现设备名称为“THUNDEROBOT G45 PC ”时，点击设备名称配对。

4）连接成功后，点击名称后的设置按钮，进入控制器自定义界面。

5）按键可修改为任何其他按键，摇杆和扳机可修改行程曲线，马达可修改震动强度，连发功能可修改连发速度，宏编程可修改间隔时间等，也可修改关机时间等操作。

6）对应的功能修改完成后，点击应用保存修改成功的操作。

八：产品参数

输入参数	5V ⎓ 500mA
理论充电时间	≤2.5小时
电池容量	3.7V/600mAh
工作电流	20-50mA(马达、RGB灯关闭情况下)
双马达振动电流	80-150mA
理论工作时间	约10小时（视游戏环境而定）
长*宽*高（mm）	156.5*108*68mm
产品净重	205g（±5%）

雷神游戏手柄保修条款

产品“三包”服务：

产品质量实行“三包”服务，产品质保期以购机日起保修 1 年。在质保期内，如因产品本身质量问题我公司提供免费维修、更换和退货服务。

- 销售人员承诺的产品之外的服务及附加的配置、赠品，不在本保修服务范围内。

免责范围

免责范围在质保期内，下列人为和不可抗力因素导致的产品故障不属于免费维修、更换和退货服务范围：

不能出示产品有效质保凭证，或产品原序列号标签有涂改、替换、撕毁现象，或产品没有序列号或质保凭证上的型号或编码与产品实物不相符合的；

产品超出雷神公司规定的质保期限；

未依据产品使用说明书或未依据说明书所指示的电脑工作环境使用、维护、保管所导致的故障或损坏；

非雷神公司授权的维修人员对产品修理、更改或拆卸而造成的故障或损坏；

意外事故或其他不可抗拒力造成的损坏。

附录

附录 1 产品性能故障表

序号	性能故障描述
1	电性能不良
2	按键无法正常使用

附录 2 产品维修记录

日期	维修情况	工程师签字

雷神产品标准保修承诺

本文件的任何内容均不影响消费者不能通过合同排除或限制的法定权利。如相关法律对本文件规定事项另有要求，在法律规定的范围内，按法律规定执行。本文件中所称的“我们”是指雷神、产品销售商及服务提供商。

1.0保证范围

我们保证，在正常使用条件下，您购买的产品在保修期内将不会发生因不符合质量要求导致的性能故障。本文件项下的保证是我们就产品作出的全部保证，将取代所有其他明示或默示的保证或条件，包括但不限于默示的关于适销性和适用于某些特定用途的保证或条件。上述保证仅适用于用户为自己使用目的而购买的出厂配置的雷神品牌产品。

2.0保修期

保修期自产品首次购买日起算，以发票日期为准。如无有效发票，则保修期自产品出厂日起算。发票日期晚于产品实际交付日的，保修期自实际交付日起算。但无论如何，产品保修期的起算日最迟不应晚于规定的宽限期届满日（见产品保修信息）。产品或部件经修理或更换后，在剩余保修期内继续享有保修，剩余保修期不足三（3）个月的按三（3）个月计算，但保修期在一（1）年以下的产品和/或部件，剩余保修期不足三十（30）天的按三十（30）天计算。

3.0如何获得保修服务

在保修期内，如产品发生不符合保证的性能故障，我们将按本文件提供保修服务，您可直接联系授权服务商（“服务商”）获取保修服务，也可拨打产品服务电话由我们为您安排服务。您应向我们指定的或距离您最近的服务商，按产品所享有的或我们指定的服务类型申请服务。除非事先明确需由您承担的费用外，我们将不再就保修服务向您收费。申请保修时，您应提供清晰、完整和准确的①销售发票和②保修卡，这是您有权获得保修的凭证。在适用的情况下，在提供服务前，您应：①遵守指定的服务申请程序；②备份产品中包含的所有程序和数据或确保它们的安全；③提供必要的支持和配合以便我们提供服务，包括提供系统密钥或口令及必要的场地等；④从产品中删除所有受法律保护的保密和个人信息；如您不能删除产品中的此类信息，您需在申请保修时告知服务提供方。如产品文件有要求，你应及时按规定的流程对产品进行注册。

4.0保修解决方案

产品故障以修理为解决原则，在可行的情况下，我们可能会尝试通过网络、

电话或其他远程帮助方式来诊断和解决您的产品故障。如有些问题可通过您自己安装指定的软件更新或替换件方式解决，则我们会指导您获得和安装此类软件更新或替换件。如上述方式不适用或无法解决问题，我们会按产品享有的保修服务类型安排服务。如服务商确认产品故障无法通过修理解决，您可凭服务商的维修记录要求更换。如产品既不能修复也无法更换，您可要求退货。为缩短服务周期，我们对某些故障产品可直接更换，不超过两次的此类更换应视为修理。

5.0更换和退货

除非另有规定，产品更换或退货由产品销售商负责。只有未经更改的产品方可更换或退货。购买日后十五（15）天内更换或退货的，产品随附物品及包装应一并退还。更换下来的产品或部件归雷神所有，而更换后的产品或部件将成为您的财产。替换产品或部件可能不是新的，但将具有良好的性能，并至少在功能上与原产品或部件等同。

在更换或退货前，您应：①卸下所有不属保修范围的物料；②确保产品或部件不受任何妨碍其更换或退货的法律义务或限制的制约；并且③如产品非您所有，您应向所有者取得允许我们为产品提供服务的授权。

6.0不保证的范围

本文件项下的保证不适用于下列情况：①因误用、意外、改装、不适当的物理或操作环境、自然灾害、电涌及不当维护或保管导致的故障或损坏；②第三方产品、服务或行为导致的故障或损坏；③使用非指定软件造成的故障或损坏；④产品使用过程中发生的脱色、磨损和消耗；⑤产品可以不间断或无错误地运行；⑥数据丢失或损坏。如产品或部件的原有识别标签被更改或去除，本文件项下的保证将失效。产品及随附物料的齐备和外观完好不属保证范围，您应在接收产品时当场检验并对任何不符提出异议。

7.0使用个人信息

我们可能会保存、使用并处理您提供的保修问题和联系信息，包括姓名、电话号码、地址和电子邮件地址，仅用于提供规定的服务，我们可能会与您联系，进行满意度调查或通知您有关产品召回或安全问题。为此，我们可能会将您的信息发送给我们的相关机构，包括代表我们执行某些业务的实体。我们也可能会依有关法律机构的要求向其披露相关信息。

8.0责任限制

如雷神违约或需承担其他责任，您可要求雷神赔偿损失。但雷神的赔偿责任仅限于您的实际直接损失，我们对以下各项不承担任何责任：①超出您购买

产品实际支付价款的金额；②任何有关获得替代货物、技术、服务或权利的成本和费用；③数据损坏或丢失；④使用中断或延迟导致的损失。此责任限制同样适用于产品销售商和服务商。这是雷神及产品销售商和服务商共同承担的最高赔偿限额。以上责任限制仅在法律允许的范围内适用，不适用于那些依法不能通过合同或其他方式排除或限制的责任。

9.0其他权利

本文件授予您特定的权利，您可能依法还拥有其他法定权利。本文件的任何内容均不影响根据法律规定的不能通过合同放弃或限制的消费者法定权利。如您是为生活消费需要而购买产品的消费者用户，则我们为您提供的保修服务，将不低于法定保修标准，此时，法定保修范围内的保修按法律规定执行，法定保修范围之外的保修及法律允许另行规定的内容，按本文件执行。

10.0全球联保服务

本文件项下的保修服务仅适用于在中国大陆司法管辖区境内（不包括香港、澳门和台湾）销售的产品，且仅在该区域内提供。我们为某些产品提供全球联保服务（IWS），但非全部且可能不包括您的产品，如果需要，请查询适用于您产品的全球联保服务政策。

11.0一般条款

本文件依照中国大陆司法管辖区的法律制定和解释。本文件中，法律是指国家现行具有强制执行效力的法律规范性文件；法定保修是指法律规定的经营者必须向消费者用户提供的最低限度保修。本文件中，保修等同于保证或质量保证。本文件所提及的时限，按法律有关时限的规定解释。

12.0产品保修信息；服务支持信息

适用于您产品的保修期和保修服务类型按《产品保修信息》执行，您可登录雷神网站服务支持页面，查阅相关产品的具体《产品保修信息》。

如需要产品的服务热线电话，您可向产品销售商询问，也可登录雷神网站服务支持页面查询。相关产品授权服务商的电话、地址和联络方式，以雷神网站上公布的名录为准。您可通过相关产品服务热线电话查询距离您最近的授权服务商。

雷神网站：www.thunderobot.com

购买产品时，您可要求产品销售商提供上述保修和服务支持信息。我们也可能会以随机文件方式提供上述信息，此时随机文件的内容优先适用。建议您妥善保留上述信息备用。

附件一：保修卡

保修卡

尊敬的用户，本保修卡是您将来申请保修的凭证，请您配合销售商善保管备用！

用户信息	用户姓名		电子邮件	
	通信地址			
	联系电话		邮政编码	
产品信息	产品名称		产品条码/编号/批号	
	产品型号			
销售商信息	名称			
	地址			
	联系电话		邮政编码	
	销售日期		发票号码	
备注				

注：（1）此表应由销售商盖章确认；（2）对于可适用相关“三包”的产品，本保修卡等同于“三包凭证”；（3）维修记录以授权服务网点维修凭证为准，申请服务后，请妥善保管。

《废弃电器电子产品回收处理管理条例》

雷神倡导环保和低碳的消费体验，建议拥有该产品的用户在不需要此产品时，应遵守国家废弃电器电子产品回收处理相关法律法规，将其交给当地具有国家认可的回收处理资质的厂商进行回收处理，降低资源浪费，保护地球自然环境。

产品中有害物质的名称及含量

部件名称	有害物质					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板组件	X	○	○	○	○	○
外壳及附件	○	○	○	○	○	○

本表格依据SJ/T 11364的规定编制。

○：表示该有害物质在该部件所有均质材料中的含量均在GB/T 26572规定的限量要求以下。

X：表示该有害物质至少在该部件的某一均质材料中的含量超出GB/T 26572 规定的限量要求。

表中标记“X”的部件，皆因全球技术发展水平限制而无法实现有害物质的替代。

该电子电气产品含有某些有害物质，在环保使用期限内可以放心使用，超过环保使用期限之后则应该进入回收循环系统

THUNDEROBOT GAMEPAD
G45 PC
USER MANUAL

SECURITY INFORMATION

BEFORE USING AND OPERATING THE EQUIPMENT, PLEASE READ AND FOLLOW THE PRECAUTION BELOW TO ENSURE THAT THE EQUIPMENT IS PERFORMING BEST AND TO AVOID DANGEROUS OR ILLEGAL SITUATIONS.

1.Please use the equipment within the temperature 0℃~35℃ and store the equipment and its accessories within the temperature -10℃~+40℃. When the ambient temperature is too high or too low, it may cause equipment failure.

2.The equipment and its accessories may contain some small parts. Please place the equipment and its accessories out of the child's reach. Children may inadvertently damage the equipment and its accessories, or swallow small parts causing suffocation or other hazards.

3.Please avoid rain or damp of the equipment and its accessories, otherwise it may cause fire or electric shock.

4.Please keep the equipment and its battery away from the fire source, high temperature and direct sunlight. It is forbidden to throw the battery into the fire, dismantle, fall, squeeze or modify the battery. It is forbidden to immerse the battery in water or other liquid to avoid external blow and pressure, so as not to cause battery leakage, overheating, fire or explosion.

5.Do not replace the battery by yourself, otherwise it may damage the battery, resulting in overheating, fire and personal injury.

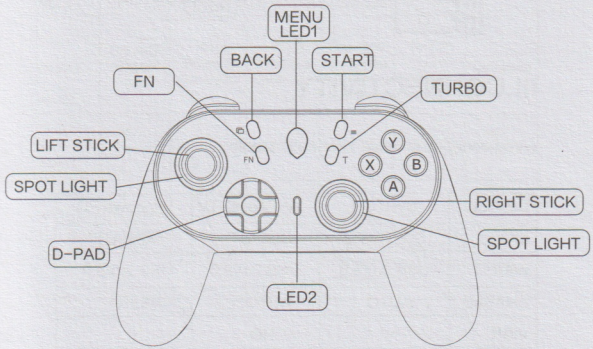
6.Do not disassemble or modify the equipment (including the replacement of the built-in battery) and its accessories, otherwise the equipment and its accessories are not within the scope of the warranty.

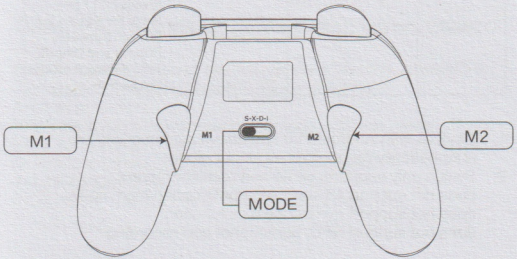
7.Please dispose the equipment, batteries and other accessories according to the local regulations and they should not be treated as household garbage. If the battery is not disposed of properly, the battery may explode.

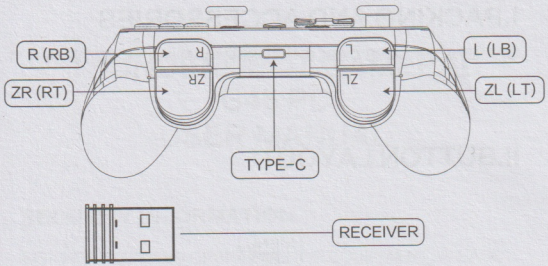
I.PACKING AND ACCESSORIES

GAMEPAD *1、USB CABLE *1、USER MANUAL *1; RECEIVER *1

II.BUTTON LAYOUT







III.CONNECTIVITY

Wired connection mode information table:

DEVICE	SWITCH	ANDROID TV	Windows PC
MODE	SWITCH*2	DINPUT	XINPUT
WIRED	USB 2.0/3.0	USB 2.0/3.0	USB 2.0/3.0
ENABLE	AUTO	AUTO*1	AUTO
VIBR	√	NO	√
TURBO	√	√	√
MACRO	√	√	√
OTHERS			Press [⊡] + [≡] keys for 5s to switch between Xinput and Dinput, and different modes on Switch.

1. Devices with Android 11.0 and above systems may be automatically recognized as xinput mode;
2. Switch only supports wired and receiver modes, does not support wireless Bluetooth connection mode, does not support gyroscope axis function; does not support NFC, screenshot and recording

Wireless connection mode information table:

DEVICE	ANDROID (HID)	PC (Windows)	iOS	PC	SWITCH *2	ANDROID TV
MODE	DINPUT	XINPUT	XINPUT	RECEIVER*3		
SDXi	D	X	i	S		
PAIR	Move the handle back to the mode gear, press and hold the LOGO key on the handle for about 3 seconds, the ice blue light flashes quickly, and the connection is successful, the ice blue light stays on.					
RECON-NECT	Short press the LOGO key on the handle for about 1 second, the ice blue light flashes slowly, after reconnected, the ice blue light stays on.					

DEVICE NAME	THUNDEROBOT G45	Xbox Wireless Controller	Xbox Wireless Controller	Xbox 360 Controller for Windows	Switch Pro Controller	Gamepad
VIBRA	NO	√		√		NO
TURBO	√	√		√		√
MACRO	√	√		√		√
OTHERS	/	/		Press [⊡] + [≡] keys for 5s to switch between Xinput and Dinput, and different modes on Switch.		

IV.SXDi MODE INTRODUCTION

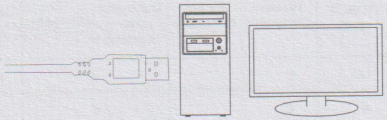
GAMEPAD (wireless) mode switch introduction:

- S: 2.4G mode – Windows system computer, Switch, Android TV (car system, Android/iOS mobile phone tablet OTG, Android projector).
- X: Wireless Xinput mode/computer mode – Device name: Xbox Wireless Controller;
- D: Wireless Dinput/Android mode – Device name: THUNDEROBOT G45;
- i: iOS mode – Device name: Xbox Wireless Controller;

V.CONNECTION TO HOST

1. Wired connection to Windows system computer:

1) Connect the GAMEPAD to the USB port of the computer via a USB cable, and the GAMEPAD will automatically connect to the PC computer, with the ice blue indicator light on the controller always on. The GAMEPAD is successfully connected, and the default mode of the GAMEPAD is Xinput mode.
2) PC mode switch: The default mode of PC connection is Xinput mode; press and hold the ⧉ button + ≡ button on the controller for 5 seconds to switch between Xinput, Dinput, and Switch modes.
3) In PC mode, the ABYX buttons on the GAMEPAD function according to the characters on the GAMEPAD, that is, the XBOX button layout.

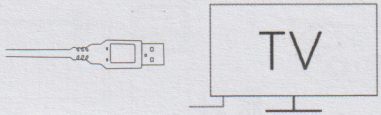


2. Wireless connection to PC device (Win11 as an example):

1) In the power-off state, set the switch on the back of the GAMEPAD to the X position , and then press and hold the logo button on the GAMEPAD for about 3 seconds until the ice blue light (LED2) on the GAMEPAD flashes quickly, entering pairing mode.
2) Open Settings on the Windows system computer, go to Bluetooth & other devices, and add a Bluetooth device.
3) Click on "Xbox Wireless Controller" in the found Bluetooth devices, and the ice blue light on the GAMEPAD will be always on, indicating that the Bluetooth device is successfully added;
4) When not in use, you can unplug the receiver or turn off the GAMEPAD; the GAMEPAD has Bluetooth memory function. When using it next time, you can wake up the GAMEPAD by short pressing the logo button for 1 second, and it will automatically reconnect to the paired Windows system computer.

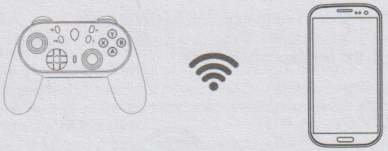
3. Wired connection to Android TV device:

In the power-off state of the GAMEPAD, connect the GAMEPAD to the USB port of the Android device via a TYPE-C cable.
The GAMEPAD will automatically connect to the Android device, and the ice blue light (LED2) on the GAMEPAD will be always on.
It supports the HID standard mode of Android TV devices.



4. Bluetooth connection to Android device:

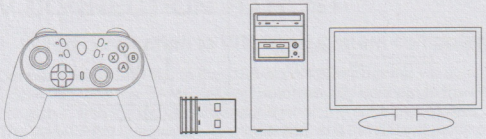
In the power-off state of the GAMEPAD, set the MODE switch on the back to the D position , press and hold the logo button for 3 seconds, and enter pairing mode. The ice blue light (LED2) on the GAMEPAD will flash quickly. Open Bluetooth search on the Android device. When the device named "THUNDEROBOT G45" is found, click to pair. After successful pairing, the ice blue light on the GAMEPAD will be always on. The GAMEPAD enters Android HID standard mode. In this mode, it supports emulators and games that support the Dinput protocol, but does not support touchscreen game operations.
(Press the logo button to reconnect)



5. 2.4G receiver connection operation:

Supports PC computer, Android smart TV, car system, iOS, Android phone/tablet(OTG), Android projector, Switch host.

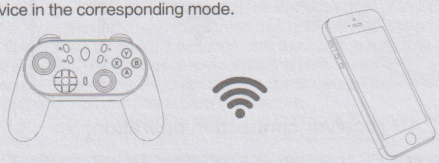
1) Set the MODE switch on the back of the GAMEPAD to the S position , then press and hold the logo button on the GAMEPAD for about 3 seconds until the ice blue light (LED2) on the GAMEPAD enters the fast flashing pairing state.
2) Then plug the mini receiver into the USB port of the PC/Android TV/ Switch device.
3) Place the GAMEPAD close to the receiver and wait for automatic connection. After the connection is successful, the receiver light will be always on. The ice blue light on the GAMEPAD will be always on. The GAMEPAD will vibrate once to indicate success.
4) The receiver defaults to Xinput input, supporting controller vibration function. If the system version of the host device is older and does not support Xinput mode connection, please press the [⧉] and [≡] buttons on the GAMEPAD at the same time for about 5 seconds to switch to Dinput mode to connect the receiver.
Note: The switch must be set to the S position first, and the LOGO button on the controller must be pressed for about 3 seconds to enter pairing mode when the ice blue light is fast flashing.



6.Bluetooth connection to iOS device:

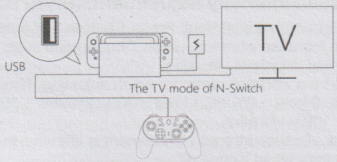
In the power-off state of the GAMEPAD, set the MODE switch on the back to the i position , press and hold the logo button for 3 seconds to enter pairing mode, and the ice blue light (LED2) on the GAMEPAD will flash quickly. In the iOS device, open Bluetooth search, and when the Bluetooth device named "Xbox Wireless Controller" is found, click to pair. After successful pairing, the ice blue light on the GAMEPAD will be always on. The GAMEPAD enters iOS mode. It only supports MFI game operations. To clear pairing information and re-pair, press and hold the LOGO button for 5 seconds. (Press the logo button to reconnect)

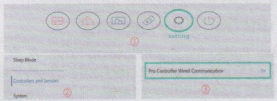
Note: The device information connected in the S, X, D, and i modes is stored independently. It can directly reconnect to the corresponding device in the corresponding mode.



7.Wired connection to Switch host:

1) In the system settings of the Switch host, turn on the wired communication function of the Pro wired controller.
2) Place the Switch host in the dock and connect the host dock to the display device.
3) In the power-off state of the GAMEPAD, connect the GAMEPAD to the USB port on the side of the host dock via a USB cable. The GAMEPAD will automatically connect to the Switch host. After the connection is successful, the ice blue light on the GAMEPAD will be always on, indicating that the GAMEPAD can be used as a wired controller for Switch.
4) When connected to the Switch host, the characters of ABXY will be automatically mapped to the key values of Switch. For example, the character B corresponds to the A operation of Swich, and the character A corresponds to B. X corresponds to Y, and so on. The mapping of ABXY can be modified in the APP.





VI.MORE FUNCTIONALITY

1.Light management:

1) Left and right stick light effect adjustment operation: After the GAMEPAD is turned on, regardless of whether it is connected to a device, the light on the stick defaults to the fantasy RGB mode.
2) Press and hold the light button for about 4 seconds to turn off or turn on the light effect of the stick. FN + light button is used to adjust the brightness of RGB. The brightness can be cycled.
3) When the stick light is turned on, press the light button + A/B/Y to switch between three light effect modes. After connecting to a device, KeyLinker software supports defining the single color and breathing color of the stick.
4) The stick light has a memory mode, which automatically remembers the light mode set at the last power-off. After resetting the GAMEPAD, the light defaults back to the fantasy RGB mode.
5) Constant light mode: Press the light button + B button to turn on the constant light mode of the stick. Each press of the light button will change the light of the left/right sticks to different single colors in turn.
6) Breathing mode of light: Press the light button + A button, the light effect of the left/right sticks is breathing mode. Each press of the light button can change the breathing color to different colors.
7) Fantasy RGB mode: Press the light button + X button, the light of the left and right sticks will have a multi-color RGB effect.

2.Battery indicator light description:

1) LED1 ice blue light on the LOGO button flashes quickly: low voltage indication; when the controller battery voltage is too low during the connection, the LOGO button indicator light will flash quickly; when the battery voltage is below 5%, the GAMEPAD will automatically shut down and cannot be turned on.
2) LOGO button breathing change: charging indication; when the GAMEPAD is not connected or connected, charge the GAMEPAD via a USB cable, and the ice blue light on the LOGO button will slowly change. When fully charged, the ice blue indicator light on the LOGO button will be always on.

3.Vibration intensity adjustment: (only for PC host)

1) Vibration strength adjustment: Press T button and push the left stick upward to increase vibration; press T button and push the left stick downward to decrease vibration.
2) There will be a vibration reminder when adjusting. There are a total of 4 levels: 0 level – 0% off. 1 level – 30%. 2 levels – 70% intensity. 3 levels – 100% vibration.
3) This motor vibration strength adjustment is effective in PC computers. It has memory when turned off.

4.Turbo Function Key Setting:

1) Support setting Turbo for the following keys: A, B, X, Y, L, R, ZL, ZR, D-pad, M1, M2 (Turbo is supported only when the macro key mapping is set to a single key value).
2) Manual Turbo: Press and hold the desired key, press the T key for the first time to enable semi-automatic turbo function for that key.
3) Auto Turbo: Press the T key for the second time + the desired key to enable full automatic turbo function for that key. Press the key once to pause the turbo function. Press the T key for the third time + the desired key to cancel the turbo function for that key.
4) Turbo Speed Adjustment:
   - Level 1: Press and hold the T key + push down the right stick on the 3D direction to decrease the turbo speed by one level. The white light will blink once and vibrate once as a notification. The turbo speed is 5 times per second.
   - Level 2: The turbo speed is 10 times per second. The default speed is level 2 when first connected. When adjusting, the white light will blink twice and vibrate once as a notification.
   - Level 3: Press and hold the T key + push up the right stick on the 3D direction to increase the turbo speed by one level. The white light will blink three times and vibrate once as a notification. The turbo speed is 15 times per second.

5.Macro programming key operation setting:

1) Enable function key recording: Press FN + M1/M2 combination key while the GAMEPAD is working. For example, press FN + M1 key to enable the custom mode of M1 key. At this time, the light on the LOGO button of the GAMEPAD will flash quickly and continuously.
2) Then press the required function keys in sequence. After setting 14 function keys, press M1 key shortly to stop recording, and the light on the LOGO button of the GAMEPAD will stop flashing, indicating that the setting is completed.
3) Clear the current macro definition: In the working state of the GAMEPAD, press FN + M1 key at the same time, the GAMEPAD will vibrate, and the light on the LOGO button will flash continuously. Then press the M1 key again, and the light on the LOGO button of the GAMEPAD will stop flashing, clearing the current custom function.
4) After the GAMEPAD is powered off and restarted, it will remember the last operation of the macro programming key. That is, it saves the last setting. If it is not needed, please clear it in time. M1/M2 can program up to 21 key values in a single group.

6.Left and right stick 3D combination key operation:

1) Classic left and right joystick 3D stick design layout, can operate in all directions.
2) Press Fn + T for five seconds to enable the left and right stick 0 dead zone mode.
3) T + press down the 3D of the left stick is the switch to enable the left stick and D-pad swapping function (Shift).
4) Fn + press down the 3D of the left/right stick can switch between Xbox square and circular output trajectories.

7.Factory reset function:

Turn on the GAMEPAD, then press and hold the L3+R3 combination for 10 seconds. The ice blue light will flash slowly 3 times to restore the factory settings, and there will be a vibration reminder.

8.Stick and trigger calibration method:

Turn on the GAMEPAD by pressing the LOGO button, press the "T" button on the GAMEPAD first, and then press the [⧉] button to start calibration. The ice blue light on the LOGO button will flash slowly. Slowly rotate the left and right sticks to the full position for 3 circles; then press ZL/ZR triggers down 3 times, and then press the [⧉] button to end the calibration. The ice blue light on the LOGO button will return to always on for 5 seconds, and then the GAMEPAD will turn off.

9.Combination key table:

Function	Key combination	Descriptions
One-key enable 0 dead zone	Press and hold Fn + T keys for 5s to enable left/right sticks 0 dead zone mode.	1.After enabled, there may be slight drift within 3% deviation. 2.Repeat the operation again to restore the default 3% factory dead zone setting. 3.The APP can set the stick dead zone parameters and curves according to needs.
Switching left/right stick output trajectory	Press and hold Fn key + press down left/right stick for three seconds to switch between Xbox square and circular output trajectory curves.	1.The stick output trajectory will switch between pure circular and square. It is recommended for shooting game players to use the left square and right circular curve. The default setting is left square and right circular. 2.Repeat the operation again to restore the previous setting.

Function	Key combination	Descriptions
Switching between left stick and D-pad (Shift)	Press T key + press down left stick 3D to enable the switch between left stick and D-pad function.	1.The left joystick will map the values of the D-pad, and the D-pad will map the non-linear values of the left joystick. 2.Repeat the operation again to restore the previous setting.
Setting Turbo function	Press T key + press the key that supports turbo function to enable/disable.	Switch between manual turbo, auto turbo, and cancel turbo modes.
Setting Turbo speed	Press and hold T key + push up/down right stick 3D.	Increase/decrease the turbo speed by one level, with vibration and light reminders.
Stick light switch	Press and hold the light key for five seconds to enable/disable the stick light	
Switching stick light mode	Press the light key + B/A/X.	Switch between constant light/ breathing/fantasia modes. The APP supports setting constant light and breathing light.
Adjusting stick light brightness	Press FN key + light key.	Adjust the brightness in several levels, and the APP supports specific brightness settings.
Macro recording	Press FN + M1/M2, the light flashes to indicate the start of recording. Press the key to be recorded, then press M1/M2 to end the recording.	In addition to combination keys, macro recording can also be done using the APP. Stick recording operations are not supported.
Factory reset	Press and hold L3 + R3 stick press down for 10 seconds.	
Stick and trigger calibration	First, press the LOGO key to turn on the GAMEPAD, then press the "T" key and the [⊡] key to start calibration. The LOGO key will slowly flash. Slowly rotate the left and right sticks three full turns. Then press ZL/ZR triggers to the bottom three times, and press the [⊡] key to end calibration. The LOGO key will stay lit for 5 seconds before the controller shuts down.	

*Button remapping, stick & trigger adjustment, motor vibration intensity adjustment, Turbo settings, macros, lighting, and sensor calibration can all be set through the connected APP Keylinker.

VII.KEYLINKER APP

- **Download method: Please scan the QR code in the image below to download**

1) Use a mobile browser to scan the QR code or search for KeyLinker in the app store to download and install;
2) After KeyLinker is correctly installed on the mobile phone, relevant permission requests will pop up when it is first launched, and confirmation needs to be made according to the prompts.
3) After connecting the mobile phone Bluetooth device in Android/iOS mode, when the device name is "THUNDEROBOT G45 PC", click the device name to pair.
4) After successful connection, click the settings button next to the name to enter the GAMEPAD customization interface.
5) Buttons can be modified to any other buttons, sticks and triggers can have their travel curves modified, motors can have their vibration intensity modified, repeat functions can have their repeat speed modified, macro programming can have its interval time modified, and shutdown time can be modified, etc.
6) After the corresponding function modification is completed, click Apply to save the successful modification.

VIII.SPECIFICATION

RATING	5V⎓500mA
CHARGING TIME	<=2.5hrs
BATTERY CAPACITY	3.7V/600mAh
WORKING CURRENT	20~50mA (w/ vibratory and lighting OFF)
DUAL-MOTOR VIBRATORY CURRENT	80~150mA
BATTERY LIFE	10hrs (may various)
DIMENSIONS	156.5*108*68mm
WEIGHT	205g (+/-5%)

QC 2024.01.27 PASS

合格证	检验 TR

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